

SUBSTITUTE FORM PTO-1449  
(MODIFIED)U.S. DEPARTMENT OF COMMERCE  
PATENT AND TRADEMARK OFFICEATTY. DOCKET NO.  
09010/018002SERIAL NO.  
08/988,224INFORMATION DISCLOSURE  
STATEMENT BY APPLICANT  
(Use several sheets if necessary)APPLICANT:  
Short et al.FILING DATE  
12/10/97GROUP  
1652

(37 CFR 1.98(b))

## U.S. PATENT DOCUMENTS

EXAMINER INITIAL		PATENT NUMBER							ISSUE DATE	PATENTEE	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
	AA	5	7	8	3	4	3	1	7/21/98	Peterson et al.	Reference on record		
	AB												
	AC												
	AD												
	AE												
	AF												
	AG												
	AH												
	AI												
	AJ												
	AK												

## FOREIGN PATENT OR PUBLISHED FOREIGN PATENT APPLICATION

		DOCUMENT NUMBER	PUBLICATION DATE	COUNTRY OR PATENT OFFICE	CLASS	SUBCLASS	TRANSLATION	
							YES	NO
AL								
AM								
AN								
AO								
AP								

## OTHER DOCUMENTS (including Author, Title, Date, Place of Publication)

AQ	
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AS	

EXAMINER Neel DATE CONSIDERED 4/2/01

EXAMINER: Initial citation considered. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

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EXAMINER INITIAL		PATENT NUMBER							ISSUE DATE	PATENTEE	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
NE	AA	5	7	8	3	4	3	1	07/21/98	Peterson et al.	435	172.3	
NE	AB	5	3	1	6	9	3	5	05/31/94	Arnold et al.	435	222	
NE	AC	5	3	5	2	7	7	8	10/4/94	Comb et al.	536	23.2	
NE	AD	5	8	2	4	4	8	5	10/20/98	Thompson et al.	639	255	
	AE												
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							YES	NO
NE	AL	WO 96/34112	10/31/96	PCT				
	AM							
	AN							
	AO							
	AP							

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NE	AR	Hennecke et al., "Concurrent: evolution of nitrogenase genes and 16S rRNA in <i>Rhizosium</i> species and other nitrogen fixing bacteria", <i>Arch Microbiol</i> , 142:342-348 (March 21, 1985)
NE	AS	Kirshtein et al., "Amplification, Cloning, and Sequencing of a <i>nifH</i> Segment from Aquatic Microorganisms and Natural Communities", Vol. 57, No. 9, <i>Applied and Environmental Microbiology</i> , p. 2645-2650 (September 1991)
NE	AT	Stein et al., "Kinetic and physical properties of a recombinant RuBisCO from a chemoautotrophic endosymbiont", <i>Molecular Marine Biology and Biotechnology</i> , 2(5) pp. 280-290 (1993)
NE	AU	Stein et al., "Nucleoside sequence and expression of a deep-sea ribulose 1,5bisphosphate carboxylase gene cloned from chemoautotrophic bacterial endosymbiont", <i>Proc. Natl. Acad. Sci. USA</i> , Vol. 87 pp. 8830-8854 (November 1990)
NE	AV	Ueda et al., "Remarkable N <sub>2</sub> -Fixing Bacterial Diversity Detected in Rice Roots by Molecular Evolutionary Analysis of <i>nifH</i> Gene Sequences", <i>Journal of Bacteriology</i> , pp. 1414-1417 (March 1995)
NE	AW	Zhou et al., "Random mutagenesis of gene-sized DNA molecules by use of PCR with Taq DNA polymerase", <i>Nucleic Acids Research</i> , Vol. 19, No.21, p. 6052 (August 20, 1991)

EXAMINER

N. Street

DATE CONSIDERED

4/2/01

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							YES	NO
<i>pe</i>	AL	WO 91/16427	10/31/91	PCT	—	—		
	AM							
	AN							
	AO							
	AP							

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*N. Sheel*

DATE CONSIDERED

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